



-Request for Quotations-

New Hampshire Department of Environmental Services

Franklin Training Center Demonstration Module

I. Introduction

The New Hampshire Department of Environmental Services (DES) is requesting quotations for design and construction of a training module to be constructed at the Operator Training Center at the Winnepesaukee River Basin Wastewater Treatment Plant in Franklin, NH. This module will assist trainers in demonstrating principles of operating small drinking water and wastewater disposal systems. Materials distributed as the basis for quotations includes a schematic of facilities, a list of principles to be demonstrated (below), and a specification on each of the unit components (attached). The successful bidder will be responsible for final layout and design of module components to achieve a finished product which is accessible and easily maintained. Firms submitting quotations for this work are encouraged to suggest improvements in the physical layout of components and the function of instrumentation and controls specified below.

II. Principles to be demonstrated

The training of water and wastewater operators will be enhanced by demonstration of the following principles to reinforce classroom training:

Pumps and pumping

- Pump curves
- Output/speed relationships
- Series and parallel pumping

Chemical feed

- Metering pump basics
- Speed/stroke adjustments
- Chemical feed interruptions

Controls and alarms

- Variable speed equipment
- Constant pressure maintenance through VFD
- Speed control of pumps based on pressure reading
- Simulation of variable water storage tank level
- Simulated alarms for tank level, pressure, power loss

Water metering

- Basic meter types
- Advantages/disadvantages of meter types
- Meter pressure losses

Electrical

III. Scope of Work

Fee quotations shall be submitted on the basis of the following parameters:

- Project location – Operator Training Center at the Winnepesaukee River Basin Wastewater Treatment Plant in Franklin, NH.
- Time frame for project performance from notice to proceed: 4 months
- Technical specifications – attached

Each quotation shall include the following:

- Preliminary design layout of the design module in isometric or orthographic views
- Schematics for electrical and instrumentation wiring and devices
- Fee for design, layout, procurement of all materials, construction and cleanup, complete

IV. Schedule

April 26, 2010	RFQ packages are made available.
May 13, 2010	Mandatory bidders' meeting at Franklin Training Center, 10AM.
May 28, 2010	Bidders' quotations due to DES by 4:00 PM EST.
June 9, 2010	Selection and notification of contractor
July 21, 2010	Governor and Council Contract Approval (anticipated)
September 1, 2010	Notice to Proceed

V. Bidders' meeting

A mandatory bidders' meeting to view the site and ask questions in regard to this RFQ is scheduled for May 13, 2010 at 10:00 AM, EST at the Franklin Training Center. An addendum for changes to the schematic or specifications will be made available by May 17.

VI. Evaluation Criteria

A selection committee consisting of DES representatives will be used to evaluate the submitted quotations based on the following criteria:

- Cost	25%
- Experience in supply and construction of water facilities	50%
- Clarity, completeness and responsiveness of the bid package	25%

VII. Proposal Submittal Date

Quotations shall be submitted no later than May 10, 2010 at 4 PM, to:

Chip Mackey
Drinking Water & Groundwater Bureau
New Hampshire Department of Environmental Services
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095
chip.mackey@des.nh.gov

VIII. Questions and Additional Information

All inquiries related to this request for proposal should be made to Chip Mackey, who may be reached using the address above, by telephone (603) 271-2410, or by email chip.mackey@des.nh.gov. The successful candidate will be expected to enter into a State of New Hampshire Contract Agreement. The form of agreement follows this document.